

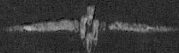
Nº 6.

*Cable Survey.*



\*236 - Nov<sup>r</sup> 16<sup>th</sup> 1891

\*286 - Dec<sup>r</sup> 2<sup>nd</sup> 1891



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

23° 49' N. 153° 20' W.

2892

No. 236 Survey Date November 1891

Sigsbee Machine. #1 Reel. Navy

Turns 2625 Cor. + 176 Depth 2801 fms

Shot or lead 60 lbs

Bottom no specimen

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 75 Surface 74

Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.
9.16.50	18.10	0
17.55	17.20	100
19.50	16.40	200
20.05	16.05	300
21.05	15.25	400
22.10	14.35	500
23.15	13.55	600
24.20	13.10	700
25.30	12.15	800
26.45	11.20	900
27.55	10.25	1000
29.15	09.25	1100
30.25	08.25	1200
31.45	07.20	1300
32.55	06.20	1400
34.20	05.20	1500
35.40	04.20	1600
37.05	03.20	1700
38.25	02.20	1800
39.50	01.15	1900
41.15	10.00.10	2000
42.30	59.00	2100
44.05	58.00	2200
45.40	56.55	2300
47.05	9.55.50	2400

Pat log read 66.4 fathoms 12 miles

Ran 1.1 knots while heaving in

PM

9. 49.05	54.05	2500	4682	219
51.00	53.05	2600	2625	43
51.30	9.52.00	2700	2057	176
		2800		2625
		2900		2801
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2625	43
		3600	2057	176
		3700		2625
		3800		2801
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Nothing but clear water  
in cup.

23° 43' N. 163° 31' 30" W.

2893

No. 237 Survey Date November 18-1891  
Sigsbee Machine. #1 Reel. Navy

Turns 2574 Cor. + 174 Depth 2748 fms.

Shot or lead 60 lbs.

Bottom br. oz.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 75

Surface 74

Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

11. 42. 20	43-30	0
43 45	42-45	100
44. 30	42-00	200
45. 35	41-20	300
46 50	40-40	400
48 00	40-00	500
49. 05	39-05	600
50. 05	38-10	700
51. 15	37-15	800
52. 30	36-00	900
53. 45	35-00	1000
55. 10	34-00	1100
56. 30	33-00	1200
58 00	32-05	1300
59. 25	31-10	1400
12-01-00	30-15	1500
02-15	29-15	1600
03-30	28-15	1700
05-00	27-15	1800
06-15	26-15	1900
07-35	25-15	2000
09-00	24-15	2100
10-30	23-15	2200
12-00	22-15	2300
13-30	12-21-00	2400

Interval 12'

Log read: 78.4

Raw 1' 10 knots while reeling in.

A.M. Nov. 19.

12-15-00	19-45	2500	4682	219
16-15	12-18-45	2574	2574	45
		2600		
		2700	2108	174
		2800		2574
		2900		2748
		3000		
		3100		
		3200		
		3300		
		3400		
		3500	4682	219
		3600	2574	45
		3700	2108	174
		3800		2574
		3900		2748
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1400

2894

No. 238 Survey Date Nov<sup>r</sup> 19-1891.

Sigsbee Machine. #1 Reel. Navy-

Turns 2458 Cor. + 169 Depth 2627 fms.

Shot or lead 60 lbs.

Bottom no specimen

Bottom temperature 35.6

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.3

Air 75 Surface 75 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2-02-15	01-00	0		
03-30	3-00-10	100		
04-30	59-20	200		
05-30	58-30	300		
06-30	57-30	400		
07-30	56-45	500		
08-35	56-00	600		
09-40	55-00	700		
10-45	54-00	800		
12-00	52-45	900		
13-15	51-30	1000		
14-30	50-15	1100		
15-45	49-15	1200		
17-00	48-15	1300		
18-30	47-15	1400		
20-00	46-15	1500		
21-20	45-15	1600		
22-46	44-15	1700		
24-00	43-15	1800		
25-30	42-15	1900		
27-00	41-15	2000		
28-30	40-15	2100		
30-00	39-15	2200		
31-30	38-15	2300		
33-00	2-37-15	2400		

Interval 12"  
Log read: 90.4 knots  
Ran 1 3/10 while reeling in

A.M.

2-34-00	2-36-30	2458	4682	219
		2500	2458	50
		2600		
		2700	2224	169
		2800		2458
		2900		2627
		3000		
		3100		
		3200		
		3300		
		3400		
		3500	4682	219
		3600	2458	50
		3700	2224	169
		3800		2458
		3900		2627
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS:

Nothing but clear water  
in cup.



107. *2895*  
 No. *239* Date *Apr. 19/91*  
*Pigeon* Machine. #1 Reel. *Harry*  
 Turns *2442* Cor. + *168* Depth *2610*  
 Shot or lead *60 lbs.*  
 Bottom *bn. oz.*  
 Bottom temperature  
 No. of thermometer *-* Cor. *-*  
 Corrected temperature  
 Air *75* Surface *76* Drift *-*  
 Trawl or dredge *-*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4-20-30</i>	<i>16-35</i>	0	<i>Log read 2:4 interval 12'</i>	<i>Made 8/10 knots when pulling in wire</i>
<i>22-25</i>	<i>15-35</i>	100		
<i>33-25</i>	<i>15-5</i>	200		
<i>24-10</i>	<i>14-35</i>	300		
<i>45-30</i>	<i>14-05</i>	400		
<i>56-45</i>	<i>13-35</i>	500		
<i>28-0</i>	<i>12-0</i>	600		
<i>29-35</i>	<i>12-20</i>	700		
<i>30-45</i>	<i>11-45</i>	800		
<i>32-0</i>	<i>11-10</i>	900		
<i>33-15</i>	<i>10-30</i>	1000		
<i>34-35</i>	<i>10-0</i>	1100		
<i>35-50</i>	<i>09-15</i>	1200		
<i>37-15</i>	<i>08-30</i>	1300		
<i>38-30</i>	<i>07-40</i>	1400		
<i>39-55</i>	<i>06-45</i>	1500		
<i>41-15</i>	<i>06-15</i>	1600		
<i>42-45</i>	<i>05-15</i>	1700		
<i>44-20</i>	<i>04-5</i>	1800		
<i>45-55</i>	<i>03-10</i>	1900		
<i>47-30</i>	<i>02-20</i>	2000		
<i>49-0</i>	<i>01-30</i>	2100		
<i>50-35</i>	<i>5-0-30</i>	2200		
<i>52-10</i>	<i>54-20</i>	2300		
<i>53-50</i>	<i>4-58-15</i>	2400		

4-54-15 4-57-0		2500		
		2442		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300	4682	219
		3400	2442	51
		3500	2240	168
		3600		2442
		3700		2610
		3800		
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Report to Captain  
 Light House  
 5.00

2096

No.

S. O. Survey. Date

Machine. Reel. 24

Turns Cor. + 168 Depth 2600

Shot or lead 60 lb

Bottom

Bottom temperature 35

No. of thermometer 548 Cor.

Corrected temperature 35

Air 76 Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400	4682	219
	3500	<u>2432</u>	<u>51</u>
	3600	2250	168
	3700		<u>2432</u>
	3800		2600
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Sigsbee Machine. / Reel. Navy

Turns: 222 Cor. + 163 Depth 385

Shot or lead 60 lbs.

Bottom br. oz.

Bottom temperature

No. of thermometer. Cor.

Corrected temperature

Air 76 Surface 76 Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
	43.00	0		
53.40	42.15	100		
54.40	41.45	200		
55.45	41.10	300		
56.50	40.35	400		
58.50	39.55	500		
59.15	39.15	600		
9 00.15	38.30	700		
01.30	37.40	800		
22.45	37.00	900		
03.55	36.15	1000		
05.10	35.35	1100		
06.30	34.45	1200		
07.50	33.45	1300		
09.20	32.50	1400		
10.40	31.55	1500		
12.00	30.55	1600		
13.25	29.50	1700		
14.45	28.50	1800		
16.10	27.50	1900		
17.40	26.55	2000		
19.00	25.50	2100		
20.35	24.00	2200		
		2300		
		2400		

	2500		21.1
	2600		1.2
	2700	23 2	16.3
	2800		2.2
	2900		1.2
	3000		
	3100		
	3200		
	3300		
	3400		
	3500	4682	2.1
	3600	2290	1.2
	3700	2372	16.3
	3800		2.2
	3900		24.53
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *1170* Date *November 14*  
*Ligbee* Machine. *#1* Reel. *Wagon*  
 Turns *1170* Cor. + *95* Depth *1265 fms.*  
 Shot or lead *60 lbs.*  
 Bottom *c. (Globigina shells)*  
 Bottom temperature  
 No. of thermometer *76* Cor. *76*  
 Corrected temperature  
 Air *76* Surface *76* Drift  
 Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
	18.00	0		
	17.15	100		
	16.35	200		
	15.50	300		
		400		
	14.35	500		
	13.55	600		
	13.10	700		
	12.30	800		
	11.45	900		
	11.00	1000		
		1100		
		1170		
	09.00	1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	4682	210
	2600		172
	2700	3512	96
	2800		1170
	2900		1220
	3000		
	3100		
	3200		
	3300		
	3400	4682	210
	3500	1170	120
	3600	3512	25
	3700		120
	3800		1265
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



501/ K02 1891

No. 243 Date *Aug 1 1891*  
*Sigsbee* Machine. Reel. *Clay*  
 Turns *1420* Cor. + *111* Depth *1531 fms*  
 Shot or lead *6*  
 Bottom *gy. m.*  
 Bottom temperature *35.7*  
 No. of thermometer *54815* Cor. *-0.3*  
 Corrected temperature *35.4*  
 Air *76* Surface *76* Drift —  
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-25-10</i>		0		
<i>26-10</i>	<i>56-10</i>	100		
	<i>55-15</i>	200		
	<i>54-20</i>	300		
	<i>53-25</i>	400		
	<i>52-30</i>	500		
<i>31-35</i>	<i>51-35</i>	600		
<i>32-40</i>	<i>51-40</i>	700		
<i>33-45</i>	<i>50-45</i>	800		
	<i>49-50</i>	900		
	<i>48-55</i>	1000		
	<i>47-50</i>	1100		
	<i>46-45</i>	1200		
	<i>45-40</i>	1300		
<i>44-35</i>	<i>44-45</i>	1400		
<i>30 11-43-45</i>		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*40.2 sec. - 12.2 m. l. sec.*  
*when the line was*

	2500	4672	210
	2600		108
	2700	3	111
	2800		1420
	2900		1531
	3000		
	3100		
	3200		
	3300		
	3400	4682	219
	3500	1420	108
	3600	3-52	111
	3700		1420
	3800		1534
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Changed to 1000 fms. 1000 fms. 1000 fms.

8/2900

No. 244 Date Nov 2 1911

Machine. 1 Reel. No.

Turns 1544 Cor. + 119 Depth 1663 fms

Shot or lead 60 lbs

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 77 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12-44-00	18-00	0		
44-5	16-50	100		
46-00	16-05	200		
47-00	15-30	300		
48-00	14-40	400		
49-00	13-45	500		
50-15	13-00	600		
51-25	12-00	700		
52-35	11-00	800		
53-45	10-05	900		
55-00	09-10	1000		
56-15	08-15	1100		
57-30	07-20	1200		
58-45	06-30	1300		
1-00-15	05-30	1400		
01-30	04-30	1500		
02-30	1-04-00	1544 1663		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500	4682	219
2600	1544	10
2700	3138	119
2800		1544
2900		1663
3000		
3100		
3200		
3300		
3400	4682	
3500	100	
3600	3	
3700		15
3800		1662
3900		
4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 245 Survey Date Nov 19 1891  
 Sigbee Machine. X / Reel. Navy

Turns 2338 Cor. + 164 Depth 2502

Shot or lead 60 lbs.

Bottom m. gy.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 78 Surface 77 Drift —

Trawl or dredge —

# SOUNDING WIRE.

DOWN.

UP.

TURNS.

# DREDGE ROPE.

DOWN.

UP.

1-55-15	47-00	0
57-15	46-00	100
58-15	45-00	200
59-15	44-45	300
2-00-30	44-00	400
01-00	43-15	500
02-40	42-45	600
03-00	42-00	700
04-00	41-15	800
05-15	40-30	900
07-20	39-00	1000
08-35	38-00	1100
10-00	38-00	1200
11-15	37-00	1300
12-30	36-00	1400
13-45	35-45	1500
15-00	35-00	1600
16-30	34-00	1700
18-00	33-15	1800
19-00	32-15	1900
20-45	31-15	2000
22-00	30-15	2100
23-45	29-15	2200
25-15	28-15	2300
26-00	27-45	2400

Interval 4' -

4 1/10 knots when hauling in

	2500	4682	219
	2600	2338	55
	2700	2344	164
	2800		2338
	2900		2502
	3000		
	3100		
	3200		
	3300		
	3400	4682	219
	3500	2338	55
	3600	2344	164
	3700		2338
	3800		
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS: A. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847. 848. 849. 850. 851. 852. 853. 854. 855. 856. 857. 858. 859. 860. 861. 862. 863. 864. 865. 866. 867. 868. 869. 870. 871. 872. 873. 874. 875. 876. 877. 878. 879. 880. 881. 882. 883. 884. 885. 886. 887. 888. 889. 890. 891. 892. 893. 894. 895. 896. 897. 898. 899. 900. 901. 902. 903. 904. 905. 906. 907. 908. 909. 910. 911. 912. 913. 914. 915. 916. 917. 918. 919. 920. 921. 922. 923. 924. 925. 926. 927. 928. 929. 930. 931. 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954. 955. 956. 957. 958. 959. 960. 961. 962. 963. 964. 965. 966. 967. 968. 969. 970. 971. 972. 973. 974. 975. 976. 977. 978. 979. 980. 981. 982. 983. 984. 985. 986. 987. 988. 989. 990. 991. 992. 993. 994. 995. 996. 997. 998. 999. 1000.

No.

Date *May 11 1881*Machine. *1* Reel. *1*Turns *8* Cor. + *135* Depth *143*Shot or lead *60 lbs.*Bottom *gy. oz. (Stobegama shell)*Bottom temperature *33.5*No. of thermometer *6665* Cor. *-0.5*

Corrected temperature

Air *78* Surface *77* Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300	46.82	2.8
	3400	11.58	9.0
	3500	50.21	12.5
	3600		
	3700		17.53
	3800		
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25			46.82	21.9
50			11.58	9.0
100			50.21	2.5
200				16.51
300				17.83
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



7903

No. \_\_\_\_\_ Date \_\_\_\_\_ 15  
 Machine. *W. & A.* Reel. *W. & A.*  
 Turns *277* Cor. + *16.1* Depth *293.1*  
 Shot or lead *60 lbs*  
 Bottom *none*  
 Bottom temperature \_\_\_\_\_  
 No. of thermometer \_\_\_\_\_ Cor. \_\_\_\_\_  
 Corrected temperature \_\_\_\_\_  
 Air *78* Surface *77* Drift \_\_\_\_\_  
 Trawl or dredge \_\_\_\_\_

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
	<i>34. 10</i>	200		
	<i>38. 30</i>	300		
	<i>37. 55</i>	400		
		500		
	<i>36. 25</i>	600		
		700		
		800		
	<i>35. 50</i>	900		
	<i>33. 05</i>	1000		
	<i>32. 10</i>	1100		
	<i>34. 15</i>	1200		
	<i>33. 45</i>	1300		
	<i>34. 50</i>	1400		
	<i>28. 55</i>	1500		
<i>15. 45</i>	<i>27. 00</i>	1600		
		1700		
	<i>25. 10</i>	1800		
<i>16. 15</i>	<i>24. 15</i>	1900		
<i>17. 35</i>	<i>23. 10</i>	2000		
	<i>22. 25</i>	2100		
		2200		
		2300		
		2400		

	2500	72.56	
	2600	72.56	
	2700	72.52	
	2800		
	2900		
	3000		
	3100		
	3200		
	3300	46.82	
	3400	77.52	
	3500	77.52	
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 248 Date 19-1891

Sigsbee Machine #1 Reel. Navy

Turns 7301 Cor. + 163

Depth 2464

Shot or lead 60 lbs.

Bottom m. gy.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7. 46-55	41-00	0
48. 50	40-00	100
49. 25	39-20	200
50. 45	38-50	300
51. 45	38-15	400
	37-35	500
	37-00	600
1. 2	36-15	700
2. 15	35-30	800
3. 2	34-45	900
4. 45	34-00	1000
8-00-00	33-05	1100
01-15	32-15	1200
12-20	31-25	1300
13-45	30-20	1400
14-00	29-20	1500
16-15	28-40	1600
17-30	27-45	1700
18-00	26-45	1800
19-20	25-45	1900
11-40	24-45	2000
13-15	23-45	2100
15-00	22-30	2200
16-20	21-20-15	2300
		2400

	2500	4682	219
	2600	2381	56
	2700	2381	163
	2800		2301
	2900		2464
	3000		
	3100		
	3200		
	3300	4682	219
	3400	2381	56
	3500	2381	163
	3600		2301
	3700		2464
	3800		
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

NS 607 2905

No. 249 Survey Date Nov<sup>r</sup> 19 - 1891.

Sigsbee Machine. # 1 Reel. Navy.

Turns 163 Cor. + 163 Depth 2462 fms

Shot ~~or lead~~ 60 lbs.

Bottom. Gn. Gy. Lava.

Bottom temperature 35.3

No. of thermometer 66665 Cor. -0.0.

Corrected temperature 35.3

Air 77 Surface 77 Drift -

Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-49-00	43-50	0		
50-00	42-45	100		
51-00	40-50	200		
52-00	40-00	300		
53-00	39-00	400		
54-00	38-15	500		
55-00	37-20	600		
56-00	36-30	700		
57-15	35-30	800		
58-30	34-30	900		
59-45	33-30	1000		
10-01-00	32-30	1100		
02-15	31-30	1200		
03-30	30-30	1300		
04-45	29-35	1400		
06-00	28-35	1500		
07-15	27-40	1600		
08-30	26-50	1700		
10-00	25-45	1800		
11-30	24-30	1900		
13-00	23-15	2000		
14-30	22-00	2100		
16-00	20-45	2200		
17-30	19-30	2300		
		2400		

2500	4682	219
2600	<u>2305</u>	<u>56</u>
2700	2377	163
2800		<u>2305</u>
2900		2468
3000		
3100		
3200		
3300		
3400	4682	219
3500	<u>2305</u>	<u>56</u>
3600	2377	16
3700		<u>2305</u>
3800		2468
3900		
4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *2906* Date *Aug 11 1881*  
*Sigsbee* Machine. #1 Reel. *Hand*  
 Turns *160* Cor. + *160* Depth *320*  
 Shot ~~or lead~~ *60 lbs*  
 Bottom *bn. gy*  
 Bottom temperature *—*  
 No. of thermometer *—* Cor. *—*  
 Corrected temperature *—*  
 Air *76* Surface *76* Drift *—*  
 Trawl or dredge *—*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12-02</i>		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
<i>19-0</i>	<i>42-10</i>	1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500		
	2600	/	
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500	4632	210
	3600	5750	50
	3700	7175	100
	3800		200
	3900		300
	4000		400

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No.

Date

Machine. / Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift—

Trawl or dredge—

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 796 Date May 10 1880  
Machine. Reel. 1  
Turns 2185 Cor. + 156 Depth 2341  
Shot or lead 60 lb  
Bottom m. gy.  
Bottom temperature 35.5  
No. of thermometer 6066 Cor. - 0.5  
Corrected temperature 35.0  
Air 75 Surface 76 Drift -  
Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
24-25	54-45	1100		
28-35	53-40	1200		
29-50	52-35	1300		
31-10	51-25	1400		
32-20	50-15	1500		
33-40	49-15	1600		
5-00	48-15	1700		
	47-15	1800		
37-35	46-30	1900		
39-00	45-30	2000		
40-25	44-45	2100		
41-35	43-45	2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2909

No. 253 Survey Date Nov.

Machine. Sigsbee Reel. Name

Turns 2248 Cor. + 160 Depth 2408 fms

Shot or lead 60 lbs

Bottom br. gy.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 75 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
	11 10	200		
		300		
		400		
30 20		500		
	11 20	600		
		700		
12 25		800		
20 20	10 45	900		
		1000		
11 10		1100		
		1200		
		1300		
11 10		1400		
		1500		
		1600		
11 30 20		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. 56 2910

No. 254 Survey Date Nov 20

Machine. S. / Reel. 7

Turns 2265 Cor. + 161 Depth 2426

Shot or lead 60-lbs

Bottom bn. G.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 7 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	27-15	0		
		100		
		200		
		300		
	24-30	400		
	23-45	500		
	22-55	600		
	22-00	700		
	21-05	800		
	20-10	900		
	19-10	1000		
	18-10	1100		
	17-10	1200		
	16-00	1300		
	15-00	1400		
	14-00	1500		
	13-00	1600		
	12-00	1700		
56-00	11-05	1800		
55-15	10-10	1900		
54-30	09-10	2000		
53-45	08-10	2100		
52-00	07-00	2200		
51-00	06-00	2300		
		2400		

	2500	4682	219
	2600	2265	58
	2700	2417	161
	2800		2265
	2900		2417
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



1550 2911

No. 255 Survey: Date Nov<sup>r</sup> 20<sup>th</sup> 1891.

Machine. #1 Reel. Navy.

Turns 2305 Cor. + 163 Depth 2468 fms.

Shot or lead 60 lbs.

Bottom m. oz.

Bottom temperature 35.4

No. of thermometer 66.6165 Cor. -

Corrected temperature 35.4

Air 73 Surface 76 Drift -

Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
44-15	36-45	0		
45-15	35-50	100		
46-15	35-00	200		
47-10	34-00	300		
48-10	33-05	400		
49-05	32-15	500		
50-10	31-20	600		
51-15	30-30	700		
52-20	29-40	800		
53-25	28-35	900		
54-30	27-45	1000		
55-45	27-00	1100		
56-00	26-00	1200		
58-10	25-05	1300		
59-20	24-05	1400		
10-00-30	23-00	1500		
01-00	21-55	1600		
02-00	20-50	1700		
04-40	19-45	1800		
05-00	18-45	1900		
07-30	17-45	2000		
09-15	16-30	2100		
10-45	15-15	2200		
12-30	14-14-16	2300		
		2400		

Interval 12' 1"  
 52.4  
 12/10 knots when in gear

	2500	<del>4582</del>	<del>200</del>
	2600	<del>2305</del>	<del>52</del>
	2700	<del>2377</del>	<del>163</del>
	2800		<del>2305</del>
	2900		2472
	3000		
	3100	4682	219
	3200	<u>2305</u>	<u>5</u>
	3300	2377	163
	3400		<u>2305</u>
	3500		2465
	3600		
	3700		
	3800		
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2912

No. 256 Date Nov 20 1891.

Sigsbee Machine. #1 Reel. Navy.

Turns Cor. + 11 Depth

Shot on lead 60 lbs -

Bottom br m

Bottom temperature -

No. of thermometer Cor. -

Corrected temperature -

Air 77 Surface 77 Drift -

Trawl or dredge -

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11-40		0		
44-50		100		
46-45		200		
46-45	30	300		
47-45		400		
48-45	30	500		
49-45		600		
50-45	30	700		
51-45	00	800		
52-45	30	900		
54-45	40	1000		
55-45	00	1100		
57-45		1200		
58-45	00	1300		
59-45	30	1400		
1-00	50	1500		
1-00	30	1600		
1-00	00	1700		
1-00		1800		
1-00		1900		
1-00		2000		
1-00		2100		
1-00		2200		
1-00		2300		
1-00		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	4682
	3300	2377
	3400	2306
	3500	
	3600	2542
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50			4682	219.
100			2376	
200			2306	161
300				5371
400				254
500				
600				
700				
800				
900				
1000				

Curre changed  
 to SSW 5/10/11

REMARKS:

No.

Date

Machine.

Reel.

Turns

71 Cor. +

Depth

Shot or lead

60 lbs

Bottom

br m

Bottom temperature

No. of thermometer

66660

Cor. -

Corrected temperature

35.4

Air

77

Surface

77

Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	76.1	5212		76.1
50	70.2	5141		70.4
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 258 Survey Date November 20<sup>th</sup> 1914  
 Machine. #1 Reel. Talcott

Turns 2765 Cor. + Depth 2765

Shot or lead 66

Bottom M. M.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 78 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	54-00	0		
	53-15	100		
	52-30	200		
	52-00	300		
	51-15	400		
	50-30	500		
	49-45	600		
	49-00	700		
	48-15	800		
	47-30	900		
	46-45	1000		
	46-00	1100		
	45-15	1200		
	44-30	1300		
	43-45	1400		
	43-00	1500		
	42-15	1600		
	41-30	1700		
	40-45	1800		
	39-00	1900		
	38-15	2000		
	37-30	2100		
	36-45	2200		
	36-00	2300		
	35-15	2400		

	2500	21.1
	2600	21.5
	2700	21.5
	2800	21.5
	2900	21.5
	3000	
	3100	
	3200	
	3300	21.5
	3400	21.5
	3500	21.5
	3600	21.5
	3700	27.68
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. *259* Survey, Date *Nov 20-181*  
*Sigsbee* Machine. *#1* Reel. *Wavy*  
 Turns *178* Cor. + *178* Depth *2568*  
 Shot ~~or lead~~ *60 lbs*  
 Bottom *Gr. M.*  
 Bottom temperature *—*  
 No. of thermometer *—* Cor. *—*  
 Corrected temperature *—*  
 Air *78* Surface *77* Drift *—*  
 Trawl or dredge *—*

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
26-30	1/2	0		
27-30	2/2	100		
28-30	3/2	200		
29-15	4/2	300		
30-10	5/2	400		
31-15	6/2	500		
32-15	7/2	600		
33-15	8/2	700		
34-15	9/2	800		
35-15	10/2	900		
36-15	11/2	1000		
37-20	12/2	1100		
38-25	13/2	1200		
39-30	14/2	1300		
40-35	15/2	1400		
41-40	16/2	1500		
42-45	17/2	1600		
43-50	18/2	1700		
44-55	19/2	1800		
45-00	20/2	1900		
46-05	21/2	2000		
47-10	22/2	2100		
48-15	23/2	2200		
49-20	24/2	2300		
50-25	25/2	2400		

*read 100, 4-*  
*34*

7-5-15

7-5-15		2500	4682	217
		2600	4682	
		2700	4682	
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400	4682	217
		3500	2690	41
		3600	1942	178
		3700		
		3800		2855
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS:

Range of surface 15  
S.S W 1/4 SW.

2916

57.

No.

260

Date

Machine.

Reel.

Sigsbee

Turns 2699 Cor. +

179

Depth 2878

Shot or lead

Bottom

cr. m.

Bottom temperature

No. of thermometer

66665

Cor. -

Corrected temperature

35.3

Air

77

Surface

77

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

11-24 104	32-10	2500		
26-25	31-5	2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300	46.22	1.14
		3400	26.22	4.0
		3500	19.53	1.74
		3600		2.612
		3700		2.875
		3800		
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25			46.8	
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2917

No. 261 Survey Date

21-

Machine. Reel.

Turns 2446 Cor. + 169 Depth 2615

Shot or lead 60 lb

Bottom M. S.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 76 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
2. 56		800		
3. 00		900		
		1000		
3. 01		1100		
		1200		
		1300		
3. 50		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	4682	219
	2600	2446	5
	2700	2236	169
	2800		2446
	2900		615
	3000		
	3100		
	3200		
	3300		
	3400	4682	219
	3500	2446	50
	3600	2236	169
	3700		2446
	3800		2615
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Feb 507.

29 18

No. *262* Survey Date *Nov. 21 1891*

*Sigsbee* Machine. Reel. *Sigsbee*

Turns *2576* Cor. + *107* Depth *2576 fms*

Shot or lead *60 lbs*

Bottom *gr in fine S*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *76* Surface *77* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1. 26.00	21.00	0
2. 27.00	22.00	100
3. 27.35	19.35	200
4. 28.25	18.50	300
5. 29.20	18.15	400
6. 30.12	17.35	500
7. 31.10	16.50	600
8. 32.05	16.10	700
9. 33.05	15.10	800
10. 34.08	14.15	900
11. 35.12	13.15	1000
12. 36.20	12.10	1100
13. 37.35	10.55	1200
14. 38.45	09.00	1300
15. 40.00	08.35	1400
16. 41.20	07.20	1500
17. 42.35	06.05	1600
18. 43.50	04.45	1700
19. 45.20	03.35	1800
20. 46.45	02.05	1900
21. 48.10		2000
22. 49.35	59.40	2100
23. 50.00	58.40	2200
24. 51.20	57.40	2300
25. 52.40	56.40	2400

*Interval 2 min.*  
*Under Bed. 2 1/2 mi.*  
*10 fms. 10 fms. while reeling in*

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

4682  
2409  
2273  
  
  
  
  
  
4682  
2409  
2273  
  
  
  
  
219  
52  
1.67  
2409  
2576

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. 263 Date

21-11-19

Machine. / Reel.

Turns 1915 Cor. + 141

Depth 2056 fms.

Shot or lead 60 lbs.

Bottom for m. fms.

Bottom temperature 35.5

No. of thermometer 66665 Cor.

Corrected temperature 35.5

Air 75 Surface 77 Drift —

Trawl or dredge —

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
3-41-40	15-00	0		
	24-00	100		
	23-00	200		
	22-00	300		
	21-00	400		
	20-00	500		
	19-40	600		
	17-40	700		
	16-40	800		
	15-40	900		
	14-40	1000		
	13-45	1100		
	12-55	1200		
	11-50	1300		
	10-50	1400		
	10-00	1500		
	9-00	1600		
	8-00	1700		
	7-45	1800		
	7-00	1900		
	4-05-00	2000		
		2100		
		2200		
		2300		
		2400		

Log read: 38.4

Ran 8/110 while reel in.

	2500	4685	219
	2600	<u>1915</u>	<u>78</u>
	2700	2767	141
	2800		<u>1915</u>
	2900		2051
	3000		
	3100		
	3200		
	3300		
	3400	4682	219
	3500	<u>1915</u>	<u>78</u>
	3600	2767	141
	3700		<u>1915</u>
	3800		2056
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2920

No. 764 Date Nov 21 - 1891

Sigsbee Machine. #1 Reel. Navy-

Turns 524 Cor. + 46 - Depth 570 fms.

Shot or lead 60 lbs.

Bottom G m fine S

Bottom temperature -

No. of thermometer - Cor. -

Corrected temperature -

Air 76 Surface 77 Drift -

Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-50-00	5-44-30	0		
	59-30	100		
	58-30	200		
55-00	58-15	300		
	57-15	400		
	56-15	500		
	5-56-00	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

By hand: 5. 4. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847. 848. 849. 850. 851. 852. 853. 854. 855. 856. 857. 858. 859. 860. 861. 862. 863. 864. 865. 866. 867. 868. 869. 870. 871. 872. 873. 874. 875. 876. 877. 878. 879. 880. 881. 882. 883. 884. 885. 886. 887. 888. 889. 890. 891. 892. 893. 894. 895. 896. 897. 898. 899. 900. 901. 902. 903. 904. 905. 906. 907. 908. 909. 910. 911. 912. 913. 914. 915. 916. 917. 918. 919. 920. 921. 922. 923. 924. 925. 926. 927. 928. 929. 930. 931. 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954. 955. 956. 957. 958. 959. 960. 961. 962. 963. 964. 965. 966. 967. 968. 969. 970. 971. 972. 973. 974. 975. 976. 977. 978. 979. 980. 981. 982. 983. 984. 985. 986. 987. 988. 989. 990. 991. 992. 993. 994. 995. 996. 997. 998. 999. 1000.

	2500	46 52	214
	2600	524	172
	2700	4158	46
	2800		524
	2900		570
	3000		
	3100		
	3200		
	3300		
	3400	4682	219
	3500	524	173
	3600	4158	46
	3700		524
	3800		570
	3900		
	4000		

### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 265 Date Jan 1 1881  
 Machine #1 Reel. Vamp.  
 Turns 218 Cor. + 29 Depth 247  
 Shot or lead 60 lbs.  
 Bottom br. m. fm  
 Bottom temperature —  
 No. of thermometer — Cor. —  
 Corrected temperature —  
 Air 76 Surface 77 Drift —  
 Trawl or dredge —

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

6-46-00	1-1-00	0
46-45	1-1-45	100
47-44	1-1-50	200
48-43	1-2-00	300
48-45	1-2-01	400
		500
		600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

Interval 5'

Made X while receiving in

	2500	4682	219
	2600	<u>318</u>	<u>190</u>
	2700	4364	29
	2800		<u>318</u>
	2900		347
	3000		
	3100		
	3200		
	3300		
	3400	4682	219
	3500	<u>318</u>	<u>190</u>
	3600	4364	29
	3700		<u>318</u>
	3800		347
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2922

No. *2922* Date *Nov 7 21-1881**Sigsbee* Machine. #1 Reel. *Kamp.*

Turns 246 Cor. + 22 Depth 268 fms

Shot ~~or lead~~ 60 lbs.Bottom *gy S*

Bottom temperature 45.0

No. of thermometer 66665 Cor. -0.2

Corrected temperature 44.8

Air 76 Surface 77 Drift —

Trawl or dredge —

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

7-32-45	38-31	0		
33-45	37-30	100		
34-45	36-30	200		
	7-36-15	246		
	<del>35-20</del>	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	4682	219
	2600	<u>246</u>	<u>19</u>
	2700	4436	22
	2800		<u>216</u>
	2900		268
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		268
	3800		
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No.

267

Date

Jan 21

Machine.

Reel.

Kary

Turns

357

Cor. +

33

Depth

39

Shot or lead

60

Bottom

Bottom temperature

No. of thermometer

Cor. —

Corrected temperature

Air

77

Surface

77

Drift

Trawl or dredge

—

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100			46	
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2924

No.

Date

Nov. 21/91.

Machine.

Reel.

Star

Turns 275

Cor. +

56

Depth

301

Shot or lead

28 lbs

Bottom

gy S C

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

77

Surface

78

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5-40

9-0

100

6-40

9-15

200

7-20

9-45

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	25(x)		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100	46.82	419
	3200		13
	3300		-6
	3400		10
	3500		306
	3600		
	3700		
	3800		
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2975

No. 0101 / 21 May Date 21 May  
 Machine. 1 Reel. 1  
 Turns 96 Cor. + 9 Depth 105  
 Shot or lead  
 Bottom gy. s.  
 Bottom temperature  
 No. of thermometer Cor.  
 Corrected temperature  
 Air 77 Surface 78 Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100	4682	210
	3200	<u>16</u>	<u>21</u>
	3300	4686	.9
	3400		<u>96</u>
	3500		10.5
	3600		
	3700		
	3800		
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100			10	219
200			11589	210
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2476

28

No.

Date

Machine.

Reel.

2476

Turns Cor. + Depth

Shot or lead 28 lbs.

Bottom fine sand

Bottom temperature

No. of thermometer 66.5 Cor. -0.2

Corrected temperature 43.8

Air 78 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11 0-0  
59-35 34  
31-0 33  
32-0 10-30

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. *2141* Date *11/11/10**Sigsbee* Machine. *71* Reel. *Stacy*Turns *268* Cor. + *85* Depth *573*Shot or lead *28 lbs*Bottom *—*Bottom temperature *—*No. of thermometer *—* Cor. *—*Corrected temperature *—*Air *78* Surface *78* Drift *—*Trawl or dredge *—*

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

No.

Date

Mar 3-1

Machine.

Reel.

Turns 270 Cor. + 25 Depth 295

Shot or lead 20

Bottom br. wh. S

Bottom temperature

No. of thermometer

Cor. —

Corrected temperature

Air 7.8 Surface

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100	4682	219
	3200	270	194
	3300	4412	25
	3400		1270
	3500		215
	3600		
	3700		
	3800		
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2929 7645

No. 273 Survey Date Dec 2 1877  
 Hand Machine Reel  
 Turns — Cor. + — Depth 10 fms.  
 Shot or lead 14 lbs.  
 Bottom rh. S. Co.  
 Bottom temperature —  
 No. of thermometer — Cor. —  
 Corrected temperature —  
 Air 77 Surface 78 Drift —  
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12-10-00	—	0	Second day at the place.	
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

597. 3468 DL

No. 274 Date Dec 2 2 - 1891  
Machine. Reel.

Turns — Cor. + — Depth 17 fms.

Shot or lead 14 lbs.

Bottom S. Co.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 77 Surface 77 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1:45.00	—	0	Sounding lowered at this station.	
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500		
	2600		
	2700		
	2800		
	2900		
	3000	<del>24.92</del>	<del>24.92</del>
	3100	<del>25.12</del>	<del>25.12</del>
	3200	<del>24.16</del>	<del>24.16</del>
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



2930 Ky  
 No. 275 Survey Date  
 Sigsbee Machine #1 Reel. Navy  
 Turns 20 Cor. + 2 Depth 22 fms  
 Shot or lead 38 lbs.  
 Bottom Co. + 7 M. S.  
 Bottom temperature  
 No. of thermometer Cor.  
 Corrected temperature  
 Air 76 Surface 75 Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	11 6 2 2	
	2600	11 6 6 2	
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300	11 6 2 2	
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2931 Hnd

No. 276 Survey. Date \_\_\_\_\_  
 Machine. \_\_\_\_\_ Reel. *Crane*  
 Turns 43 Cor. + 4 Depth 47 fms.  
~~Shot or lead~~ 38 lbs.  
 Bottom S. bk. Sh.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

75

Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	<del>219</del>	219
	2600	<del>212</del>	212
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300	4682	219
	3400	46	
	3500	4629	
	3600		
	3700		47
	3800		
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 277 *Survey* - Date *December 2<sup>d</sup> 1891**Sigsbee* Machine. Reel. *Navy*Turns *172* Cor. + *17* Depth *189*~~Shot or lead~~ *38 lbs.*Bottom *fine white S.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *6* Surface *75* Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	<i>910</i> UP.	TURNS.	DOWN.	UP.
<i>3. 05. 10</i>	<i>12. 10</i>	0		
<i>07. 05</i>	<i>11. 20</i>	100		
<i>04. 30</i>	<i>9. 10. 40</i>	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	210
	2600	112
	2700	4510
	2800	219
	2900	202
	3000	17
	3100	
	3200	
	3300	1682
	3400	172
	3500	4510
	3600	17
	3700	172
	3800	189
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	1			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

607. 2933

No. 278 Survey Date Decmber 2<sup>d</sup> 91

Signature Machine #1 Reel Navy

Turns 253 Cor. + 23 Depth 276 fms

Shot or lead 38 lbs.

Bottom wht. S.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 76 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3. 17. 15	24. 10	0		
18. 50	23. 11	100		
20. 05	22. 20	200		
21. 00	3. 21. 30	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Pa log used 96.1 fathoms 12 miles  
Ra 11. 40 not mthd. need more

	2500	46.50	1.10
	2600	46.3	1.10
	2700	46.2	1.10
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400	46.1	1.10
	3500	46.0	1.10
	3600	45.9	1.10
	3700		1.10
	3800		1.10
	3900		1.10
	4000		1.10

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. 279 Survey Date

Machine. Reel.

Turns 260 Cor. + 25 Depth 285

~~Shot or lead~~ 38 lbs.

Bottom fine silt. s.

Bottom temperature 44.6

No. of thermometer 62358 Cor. -0.2

Corrected temperature 44.4

Air 76 Surface 75 Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

3. 28. 10	34. 40	0
29. 20	33. 50	100
30. 40	33. 50	200
32. 00	3. 32. 20	300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Bottom 316 fathoms  
 Part log with 96.6  
 Reel 1 mile hauling in

	2500	4605	219
	2600	260	194
	2700	4422	25
	2800		260
	2900		285
	3000		
	3100		
	3200		
	3300		
	3400	4682	219
	3500	260	194
	3600	442	
	3700		260
	3800		
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2935

No. 280 Survey Date December 2<sup>d</sup> 91

Sigsbee Machine. 41 Reel. No.

Turns 111 Cor. + 11 Depth 122

Shot or lead 38 lbs.

Bottom S. &amp; C.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 76 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.20		0		
40.35	42.15	100		
42.05	3.45.10	200		
		77		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Pa. log read 94.1 - Sigsbee 112  
 Pa. 1.15 miles bearing in

		2500	116.5	7.10
		2600		7.05
		2700	146.00	2.6
		2800		2.7
		2900		3.0
		3000		3.5
		3100		
		3200		
		3300		
		3400	116.5	
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 281 Survey Date Dec 2 2-1891-  
 Machine #1 Reel 1-  
 Turns 234 Cor. + 21 Depth 255 fms.  
 Shot or lead 38 lbs.  
 Bottom fine wh. S. Lava.  
 Bottom temperature —  
 No. of thermometer — Cor. —  
 Corrected temperature —  
 Air 76 Surface 75 Drift —  
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4 03. 15		0	Interval 16/10 miles. Log made: 50. Saw X known fish 1000 fms.	
04. 30	09-00	100		
05. 45	07-45	200		
06. 15	4-07-00	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500	4652	219
2600	234	198
2700	4448	21
2800		255
2900		
3000		
3100		
3200		
3300		
3400	4682	219
3500	234	198
3600	4448	21
3700		
3800		
3900		
4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



	2500	4639	215
	2600	43	215
	2700	4639	0
	2800		0
	2900		47
	3000		
	3100		
	3200		
	3300		
	3400	4682	219
	3500	43	215
	3600	4639	4
	3700		43
	3800		47
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



2938

No. 283 Survey, Date

Dec 22-1891-

Machine. #1 Reel.

Turns 130 Cor. + 12

Depth 142 fms.

Shot or lead 38 lbs.

Bottom fine, wh. s.

Bottom temperature 64.2

No. of thermometer 62358

Cor. —

Corrected temperature 64.2

Air 76 Surface 75

Drift —

Trawl or dredge —

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
4-31-00	36-30	0		
33-30	36-00	100		
34-15	4-35-00	130 <del>100</del>		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Interval 12 mile-  
100.2  
Reel. X knots while making in-

	2500	4682	2
	2600	<u>130</u>	<u>207</u>
	2700	4552	12
	2800		<u>130</u>
	2900		<u>142</u>
	3000		
	3100		
	3200		
	3300	4682	219
	3400	<u>130</u>	<u>207</u>
	3500	4552	12
	3600		<u>130</u>
	3700		<u>142</u>
	3800		
	3900		
	4000		

### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 284 Date

Dec 2 2<sup>nd</sup> 1881

Machine. 1 Reel.

Turns 19 Cor. + 2 Depth 21 fms.

Shot or lead 38 lbs.

Bottom wht S coral sh.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 76 Surface 75 Drift —

Trawl or dredge —

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
4-47-30	48-30	0		
47-45	4-47-50	19		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Interval 1/2 mile

Log read 100.7

Ran 1 knots

	2500	4687	219
	2600	<u>14</u>	<u>217</u>
	2700	4663	2
	2800		<u>14</u>
	2900		<u>2</u>
	3000		
	3100		
	3200		
	3300		
	3400	4687	219
	3500	<u>14</u>	<u>217</u>
	3600	4663	2
	3700		<u>14</u>
	3800		<u>2</u>
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. 2940

No. 285 Survey Date 29 Aug 1891  
Hand Machine. Reel.

Turns. — Cor. + — Depth 110 fathoms

Shot or lead 14 lbs.

Bottom cor. S.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 76 Surface — Drift —

Trawl or dredge —

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-0	—	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2941 Hyd

No. 286 Survey Date Dec 2<sup>d</sup> 1891  
Hand Machine. Reel.

Turns — Cor. + — Depth 7 fms.

~~Shot or lead~~ 14 lbs.

Bottom wht. S.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 76 Surface 75 Drift —

Trawl or dredge —

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

5-0-0

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Interval 3/10 m.

Log read 10115  
Anchored

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. *287* Survey Date *Dec. 3/91**Hand* Machine. Reel.Turns Cor. + Depth *7 1/2 fathoms*Shot or lead *14 lbs.*Bottom *Coar. W. S. & Sh.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*10-180*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*Interval -**At anchored -*